

**FIG. 1.**

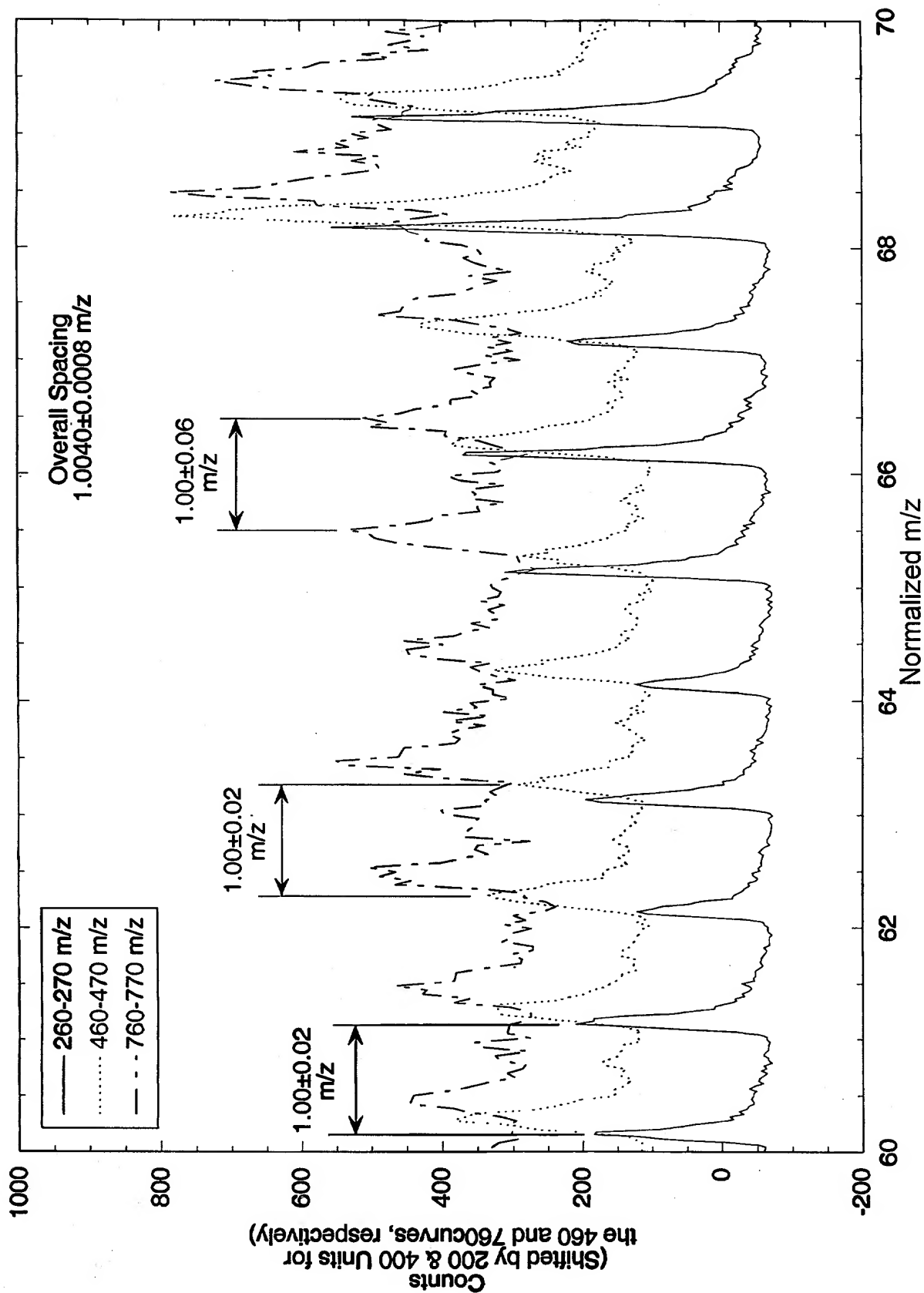


FIG. 2.

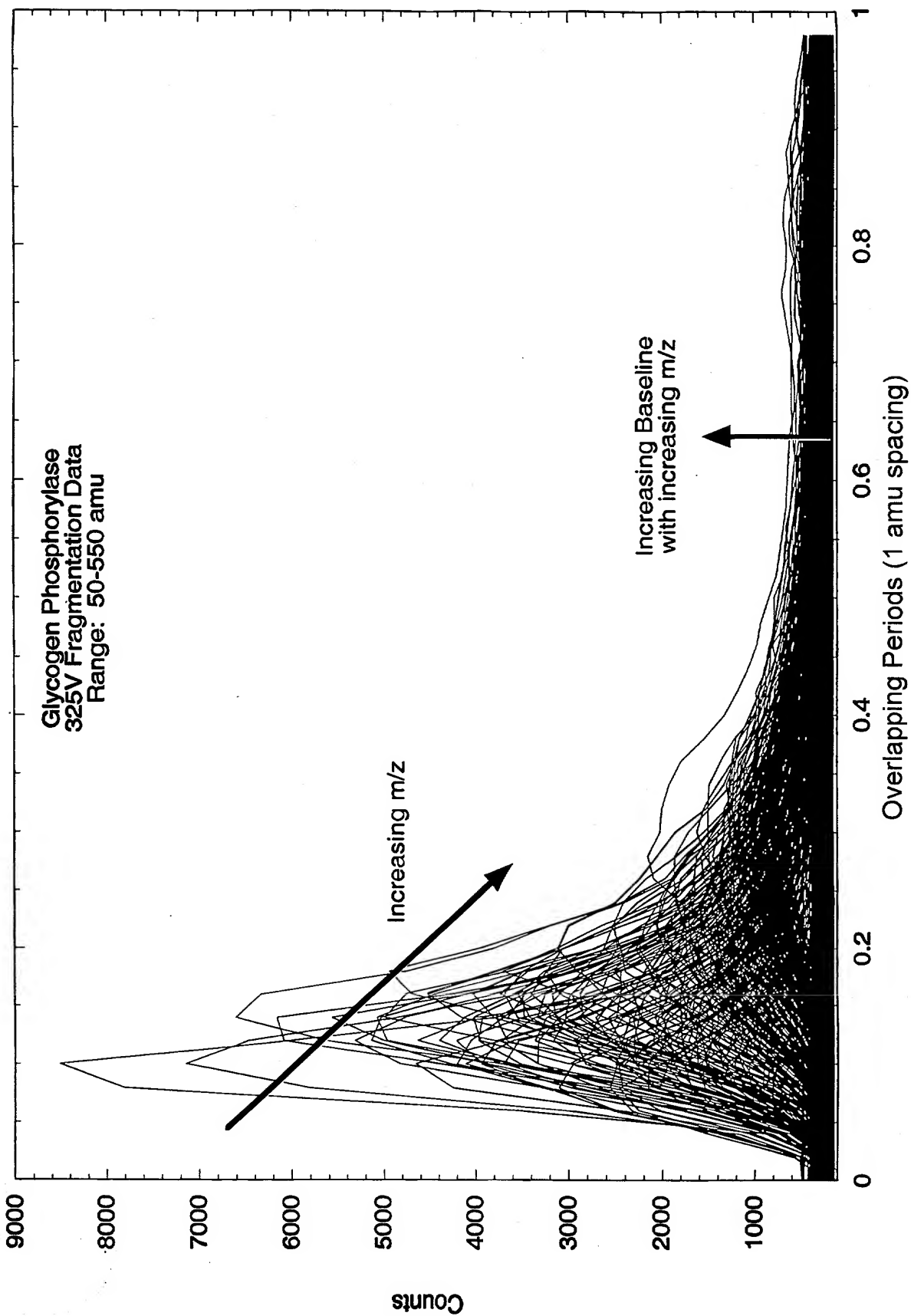


FIG. 3

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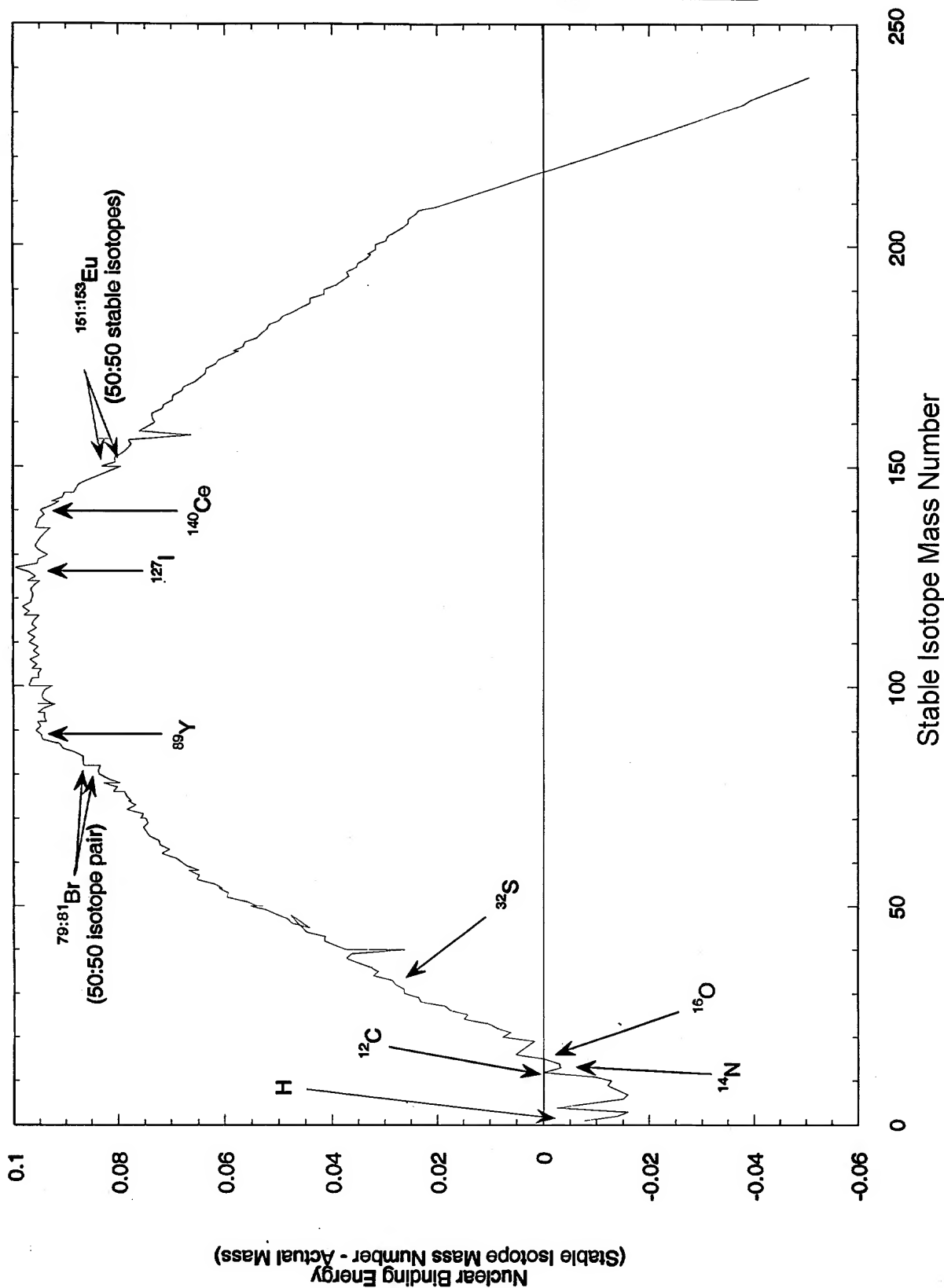
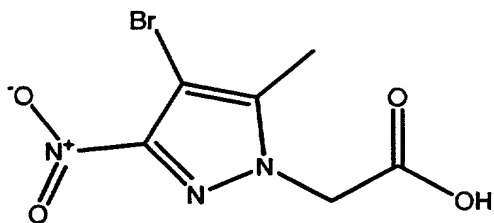
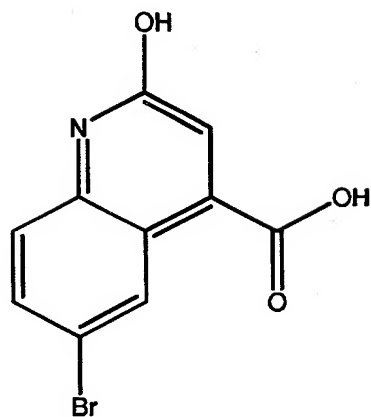
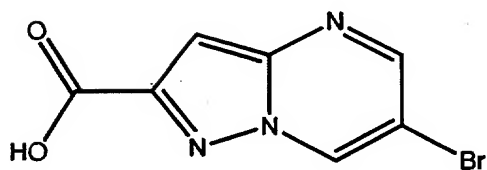
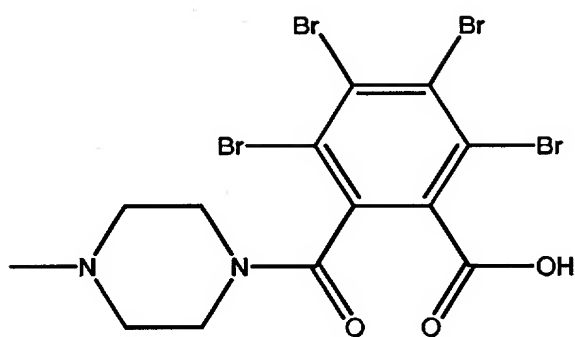
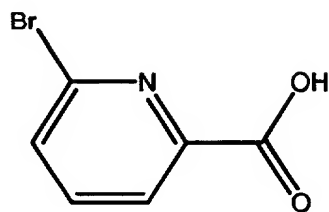
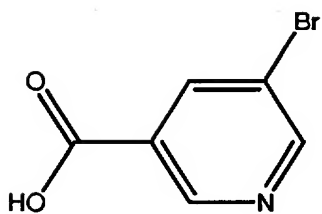
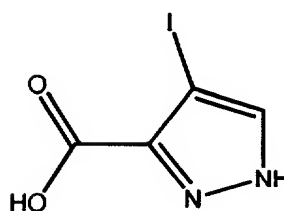
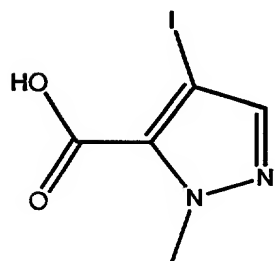
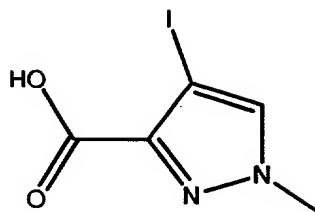
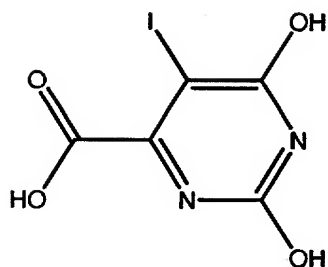


FIG. 4.



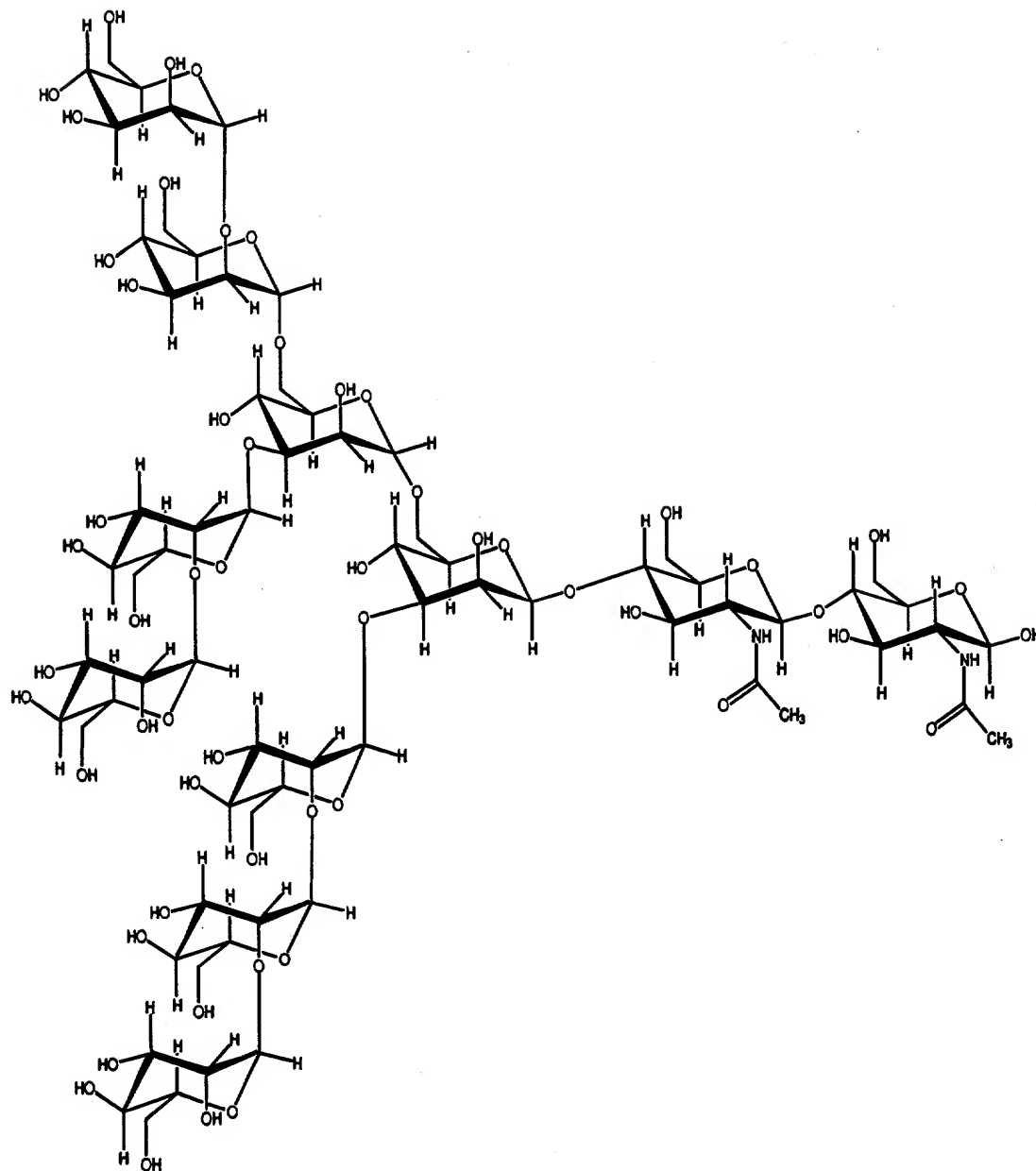
**FIG. 5.**



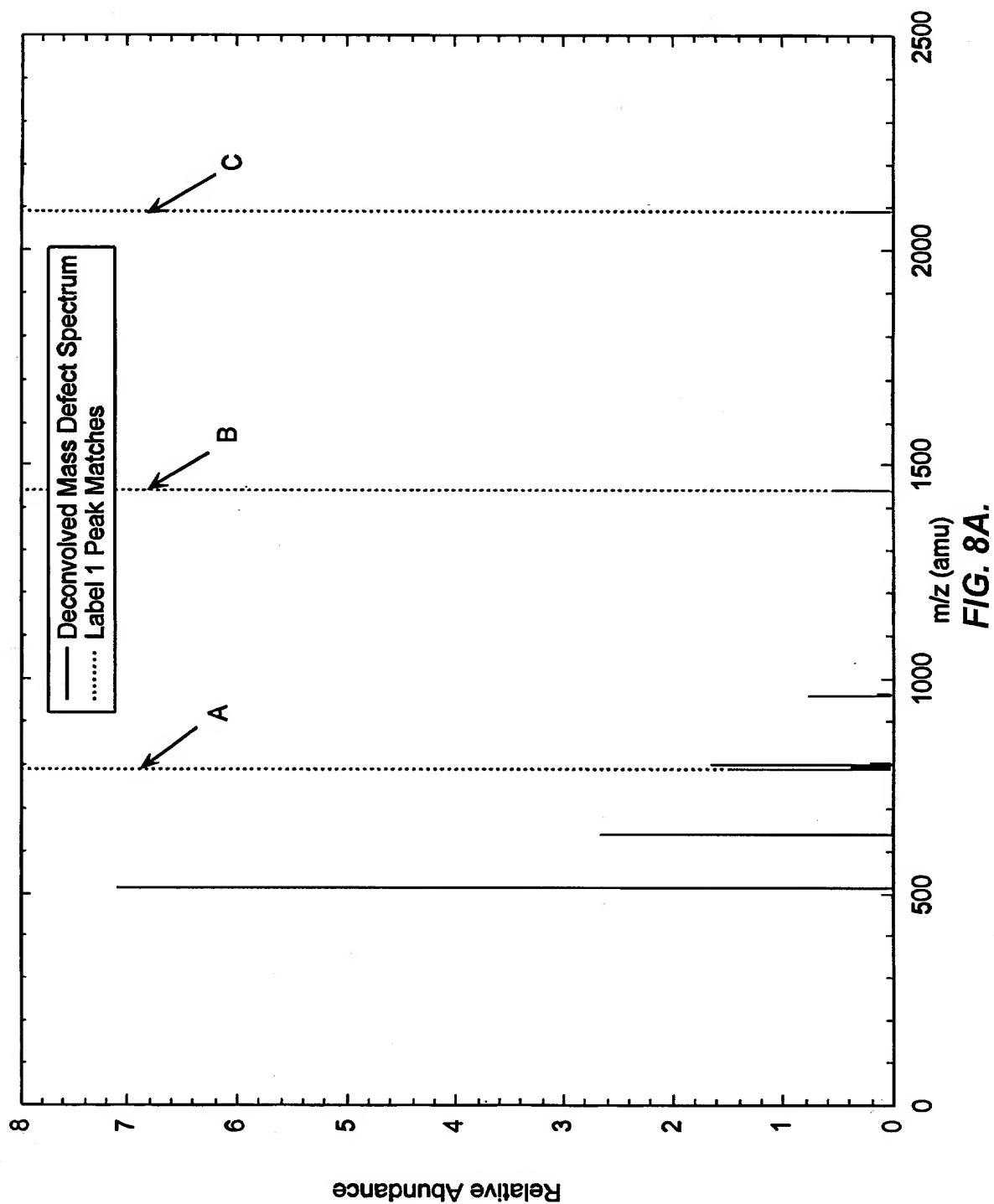
**FIG. 6.**

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**FIG. 7.**





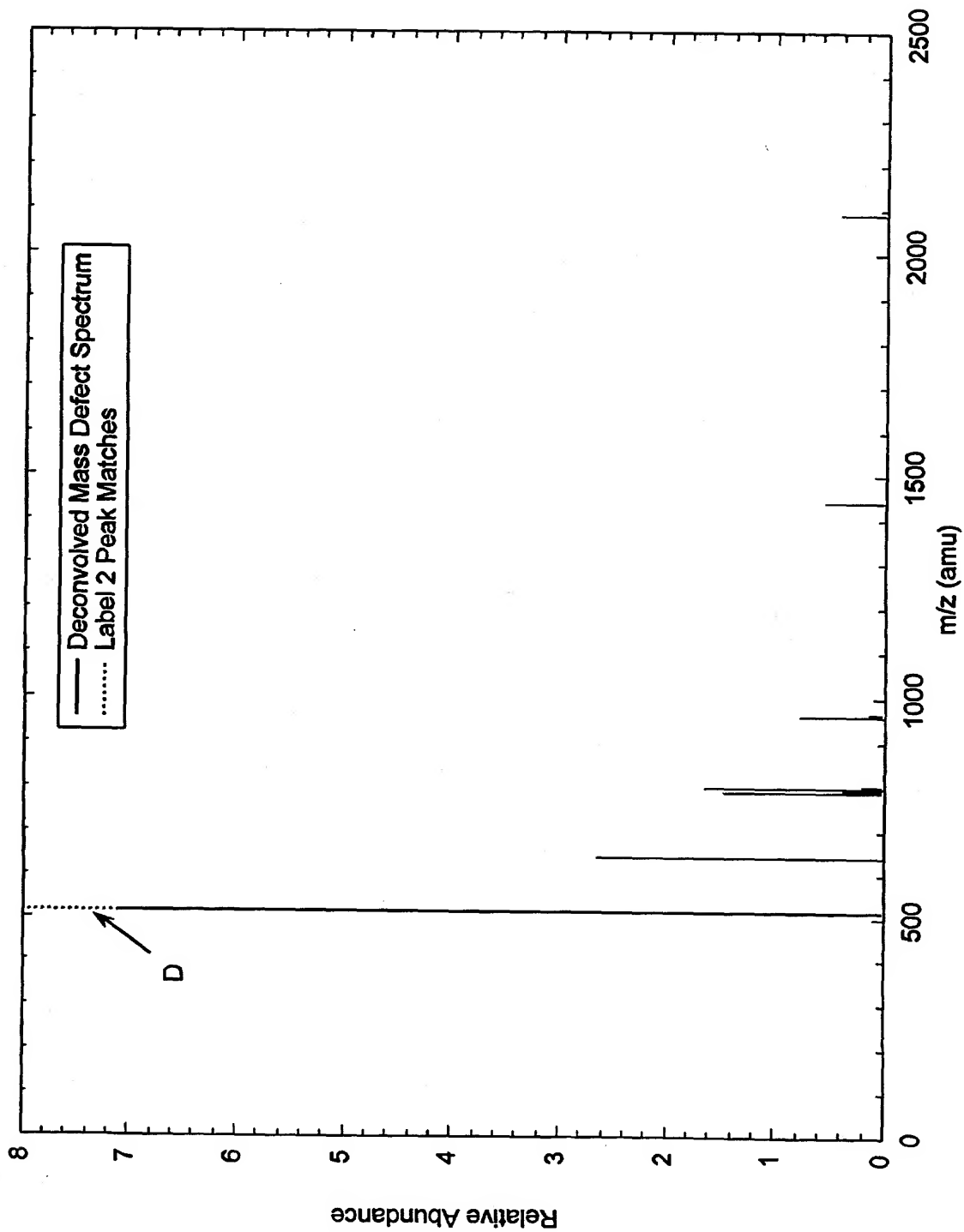


FIG. 8B.

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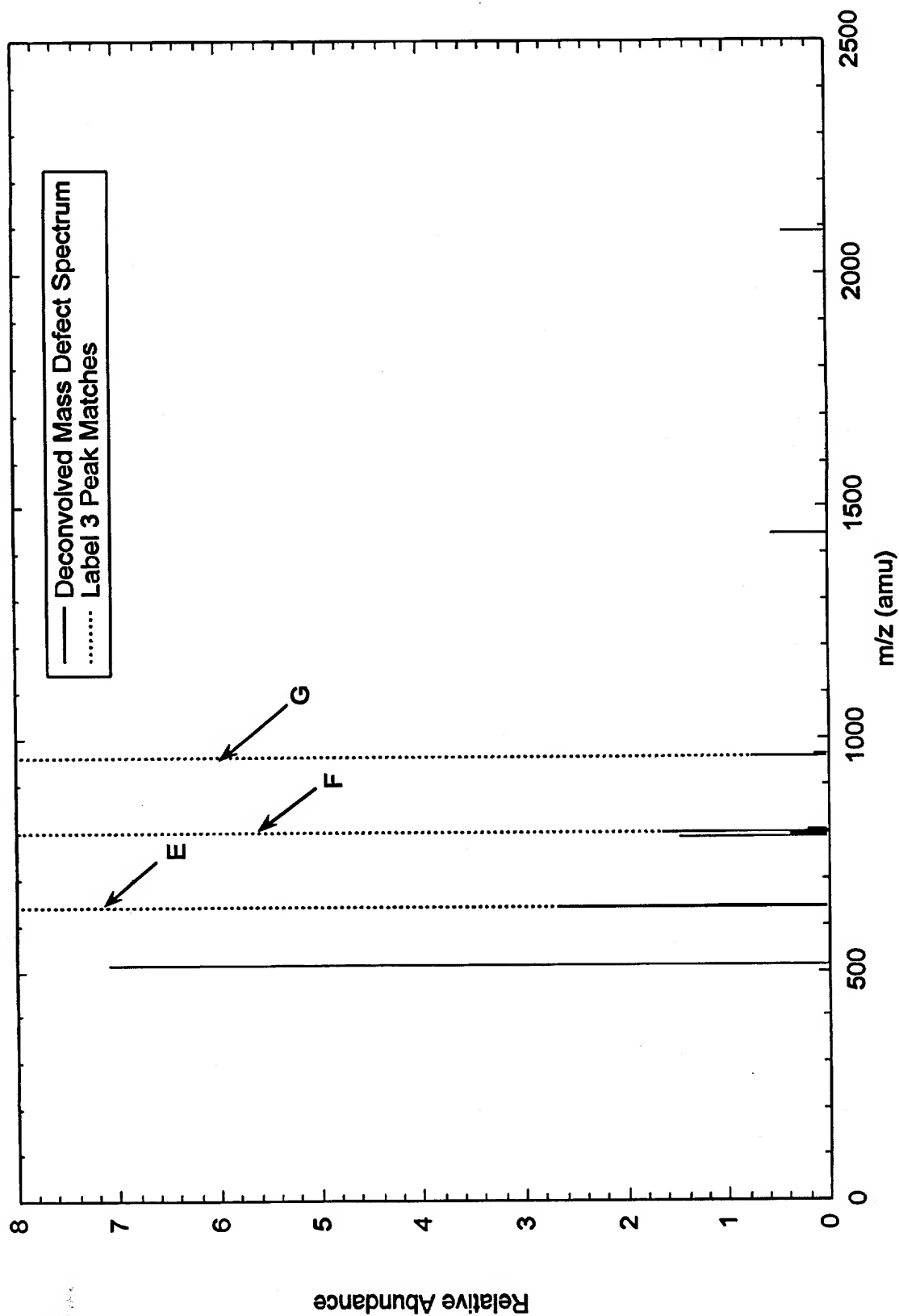


FIG. 8C.

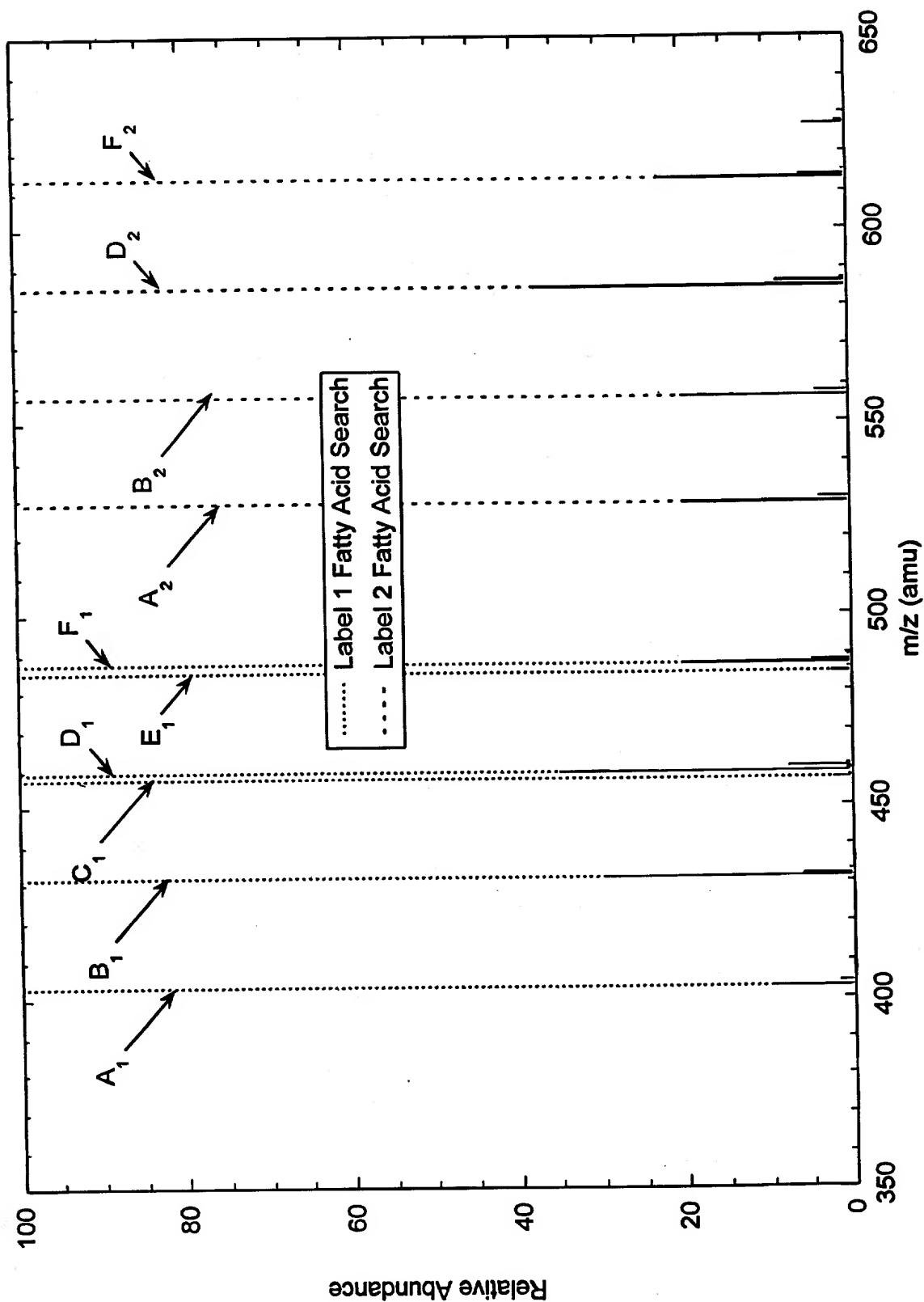
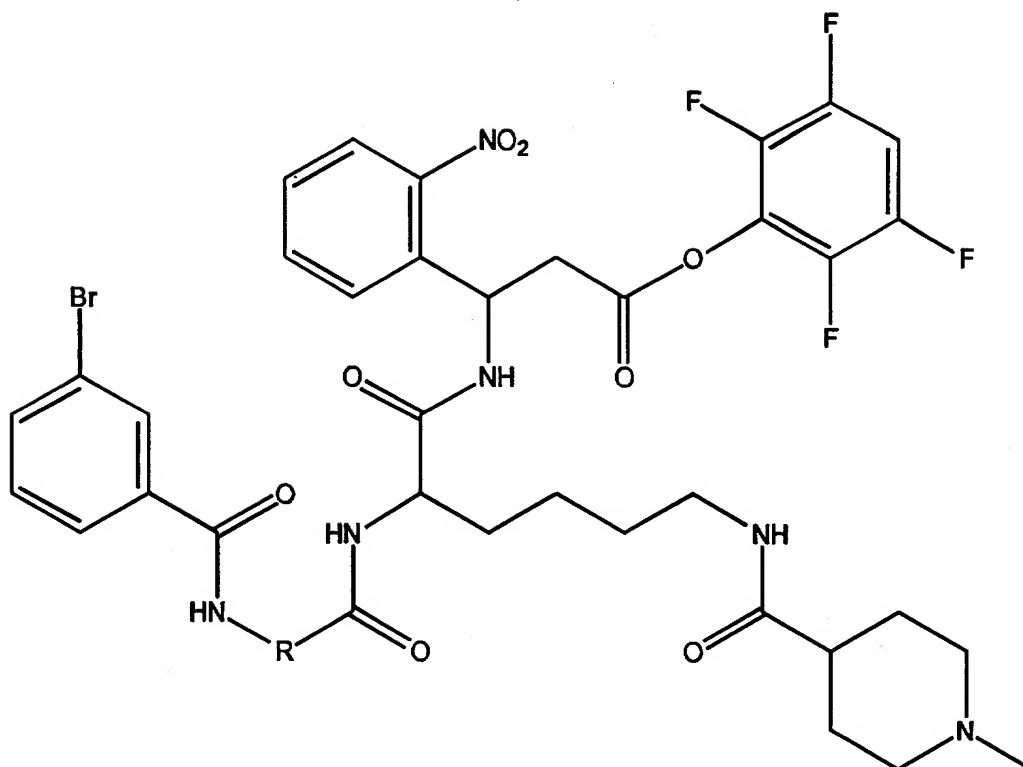


FIG. 9.



The general structure of the photocleavable mass defect tag where Br is the mass defect element that is linked through the amino acid (R) to the remainder of the tag.

**FIG. 10.**

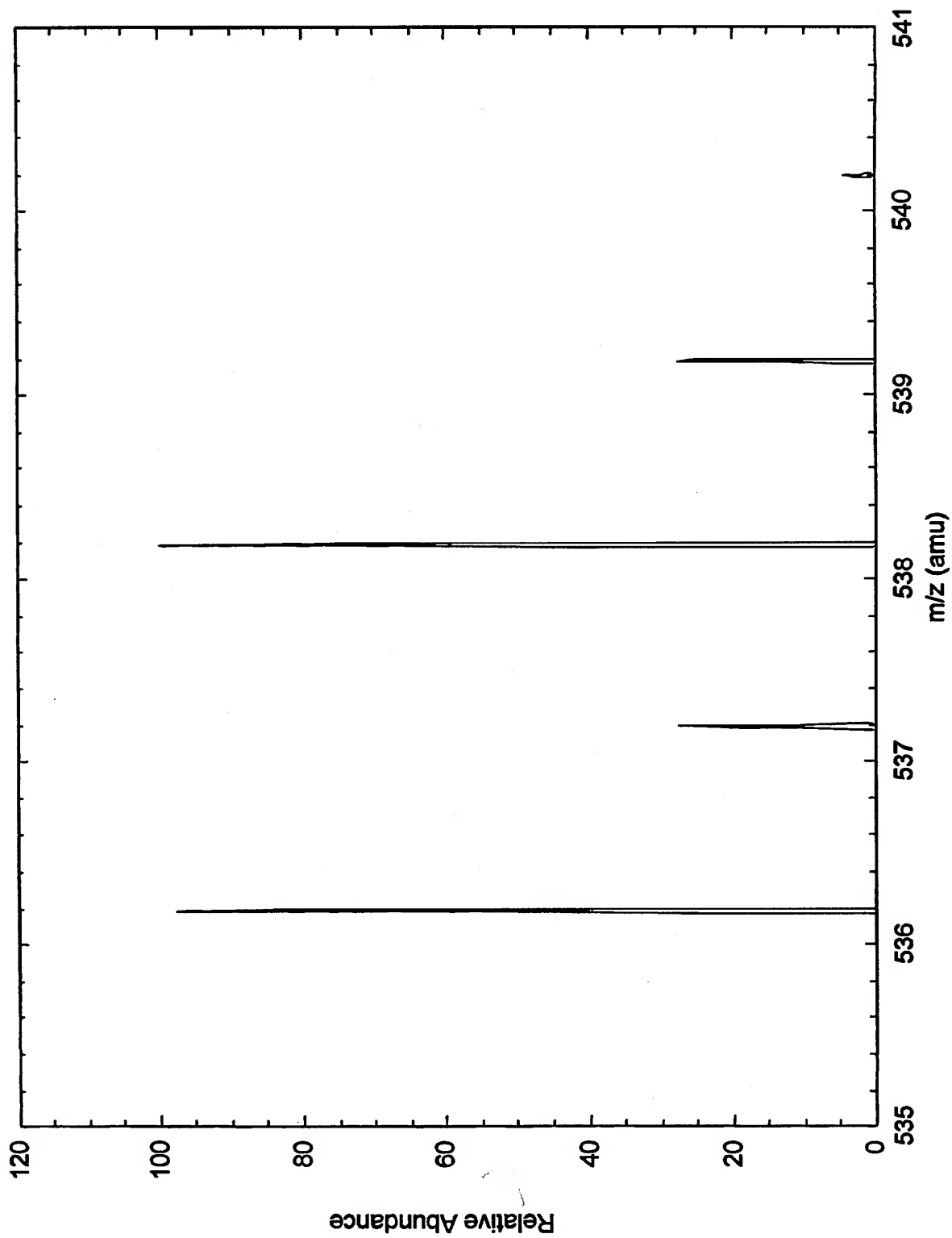


FIG. 11A.

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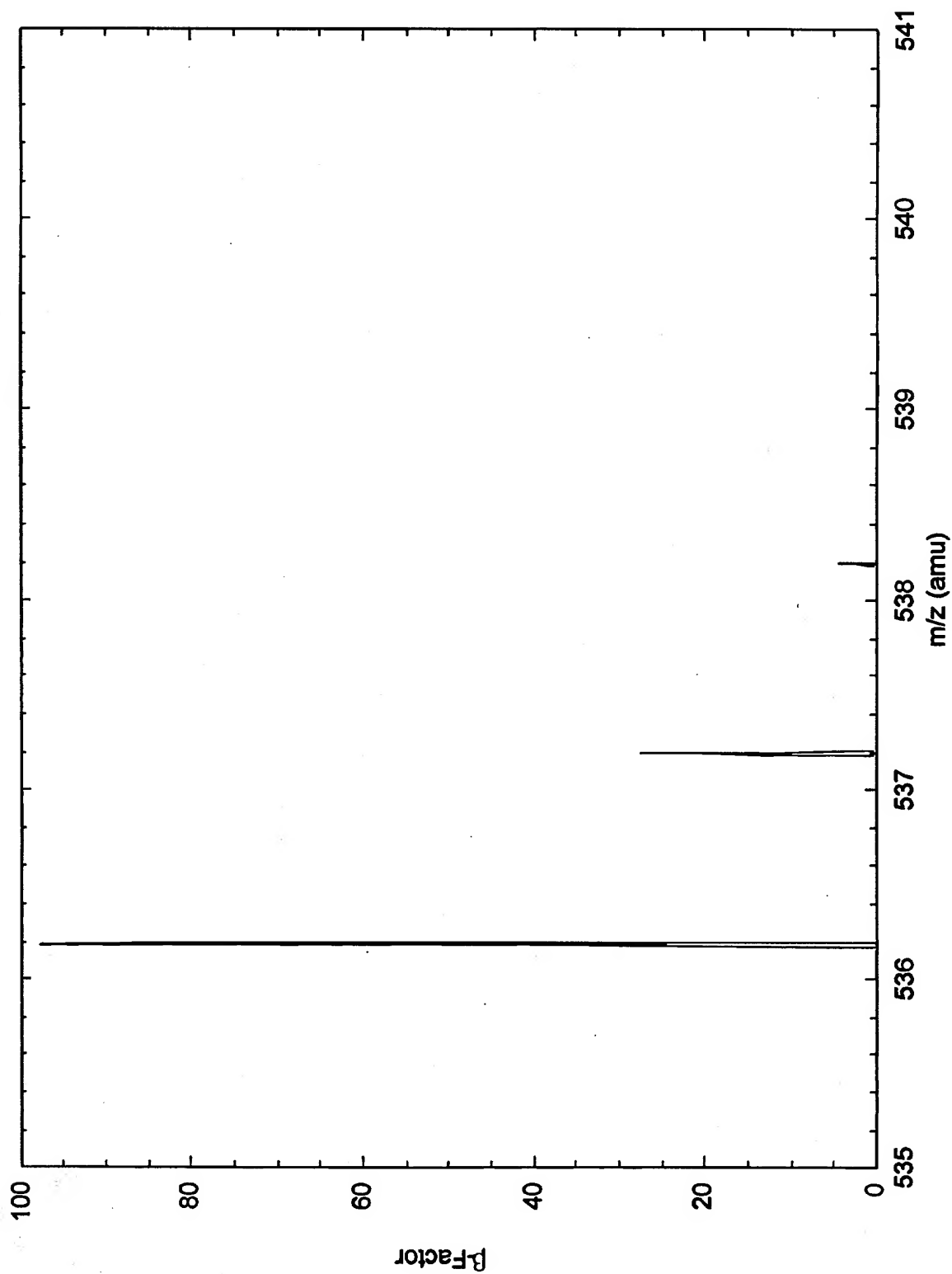


FIG. 11B.

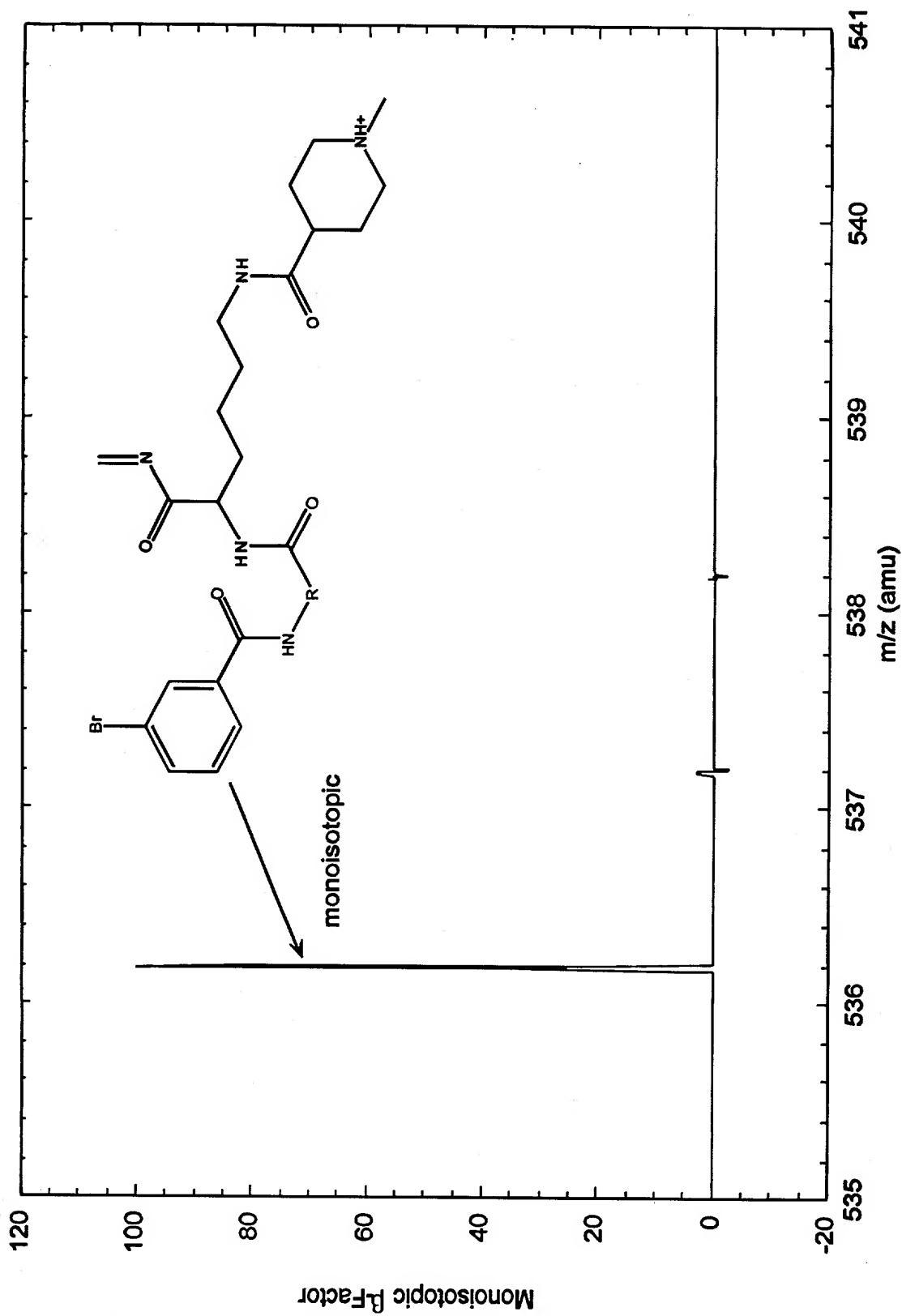


FIG. 11C.

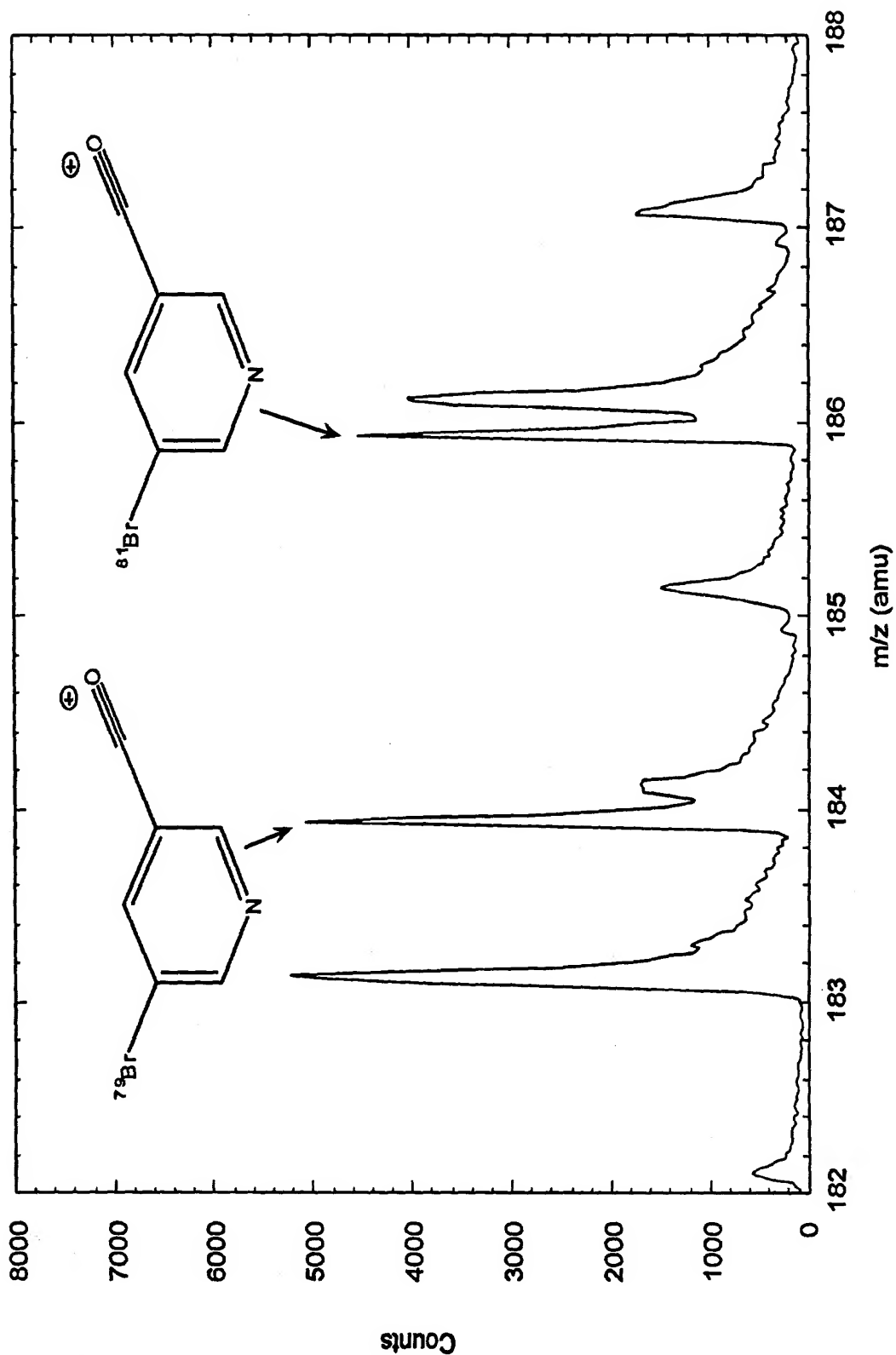


FIG. 12A.



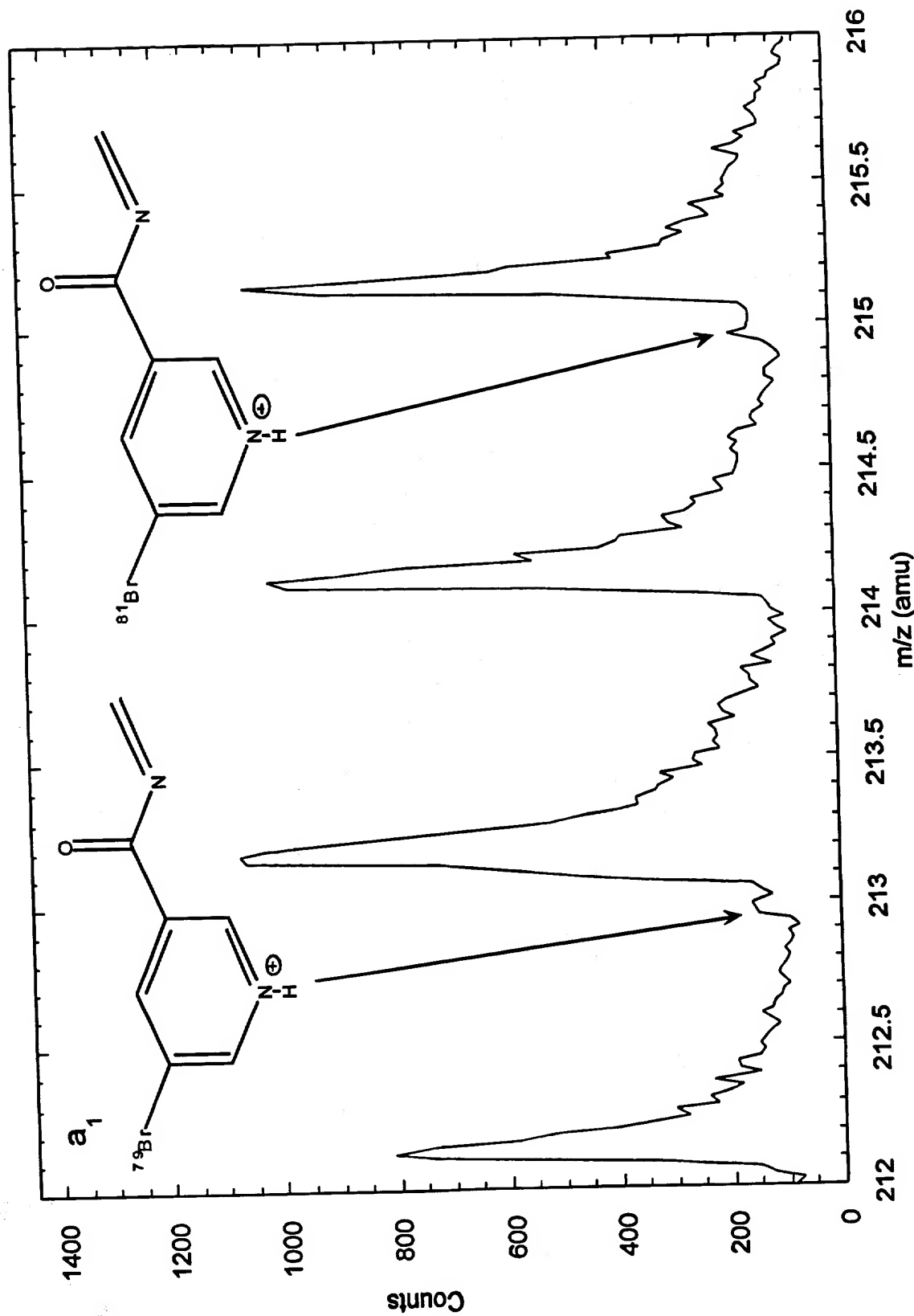


FIG.12B.

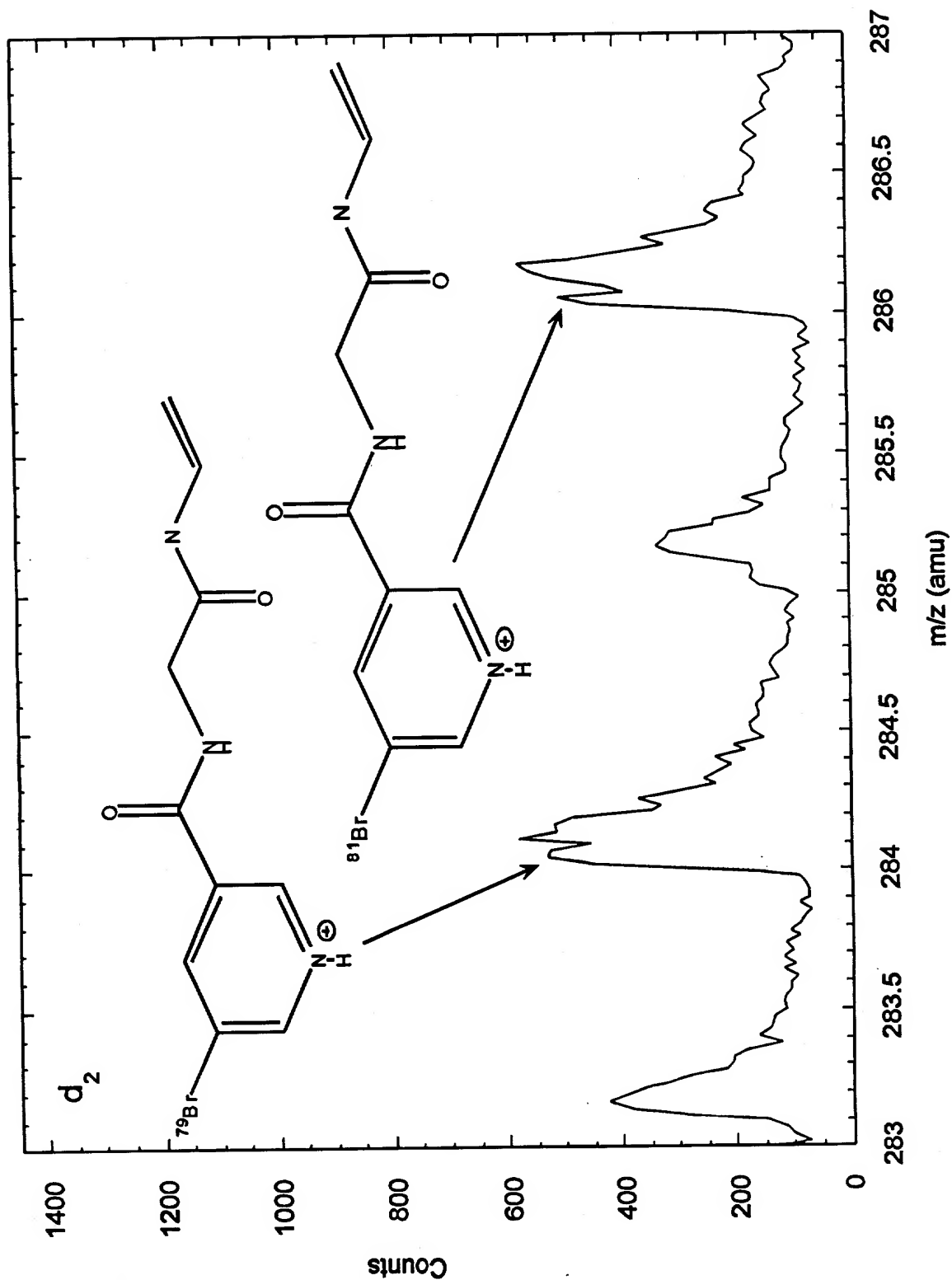
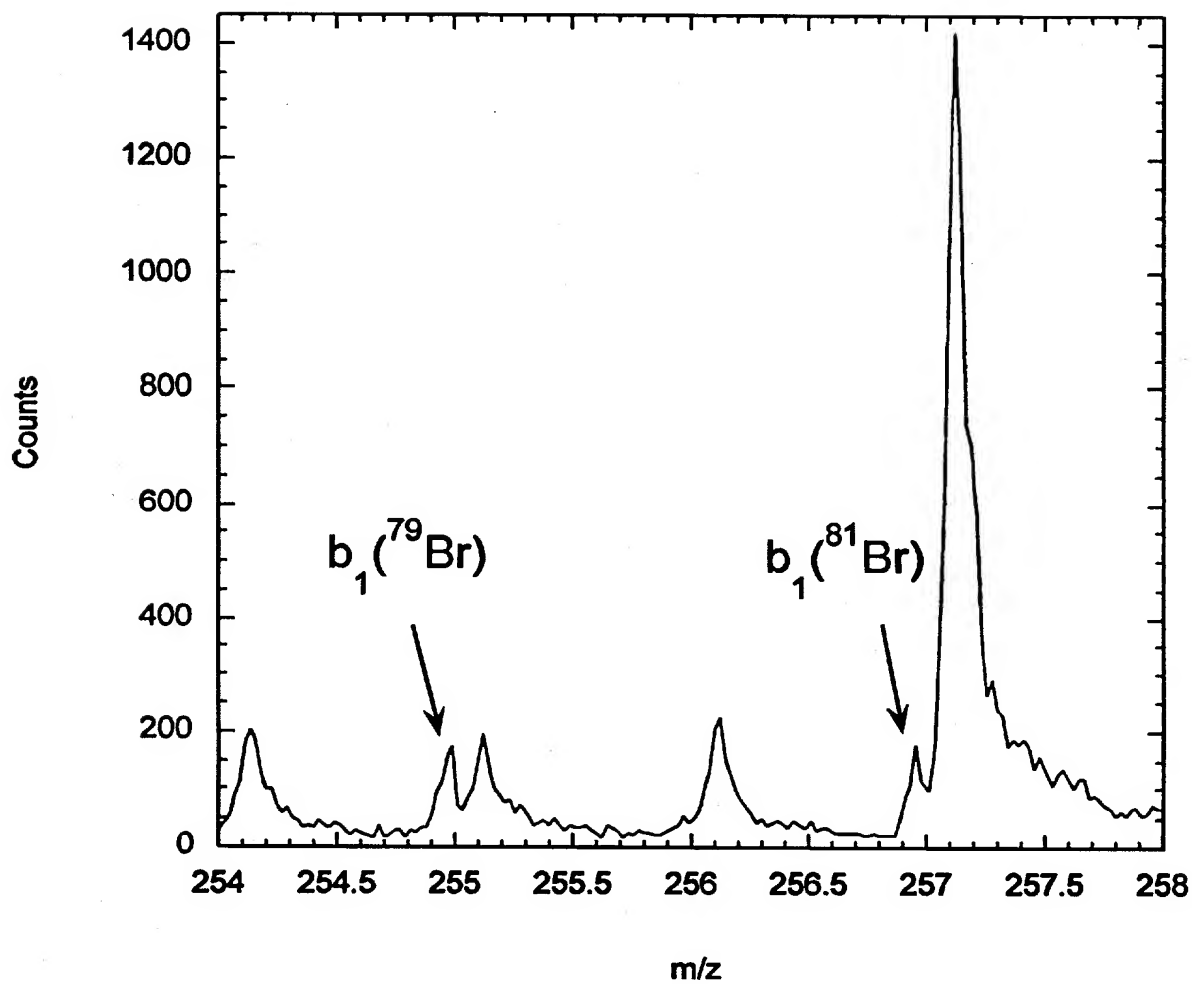


FIG. 12C.



**FIG. 13A.**

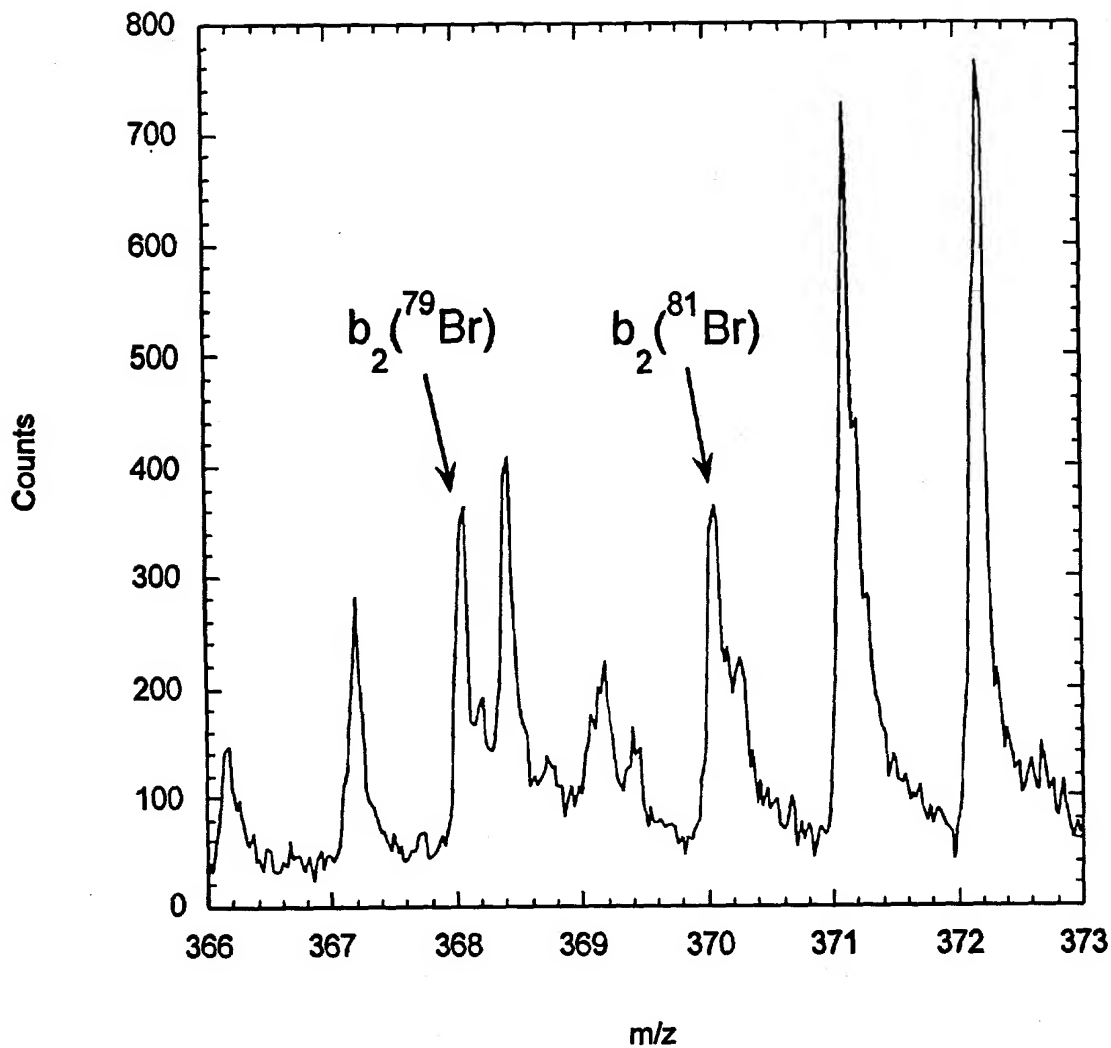
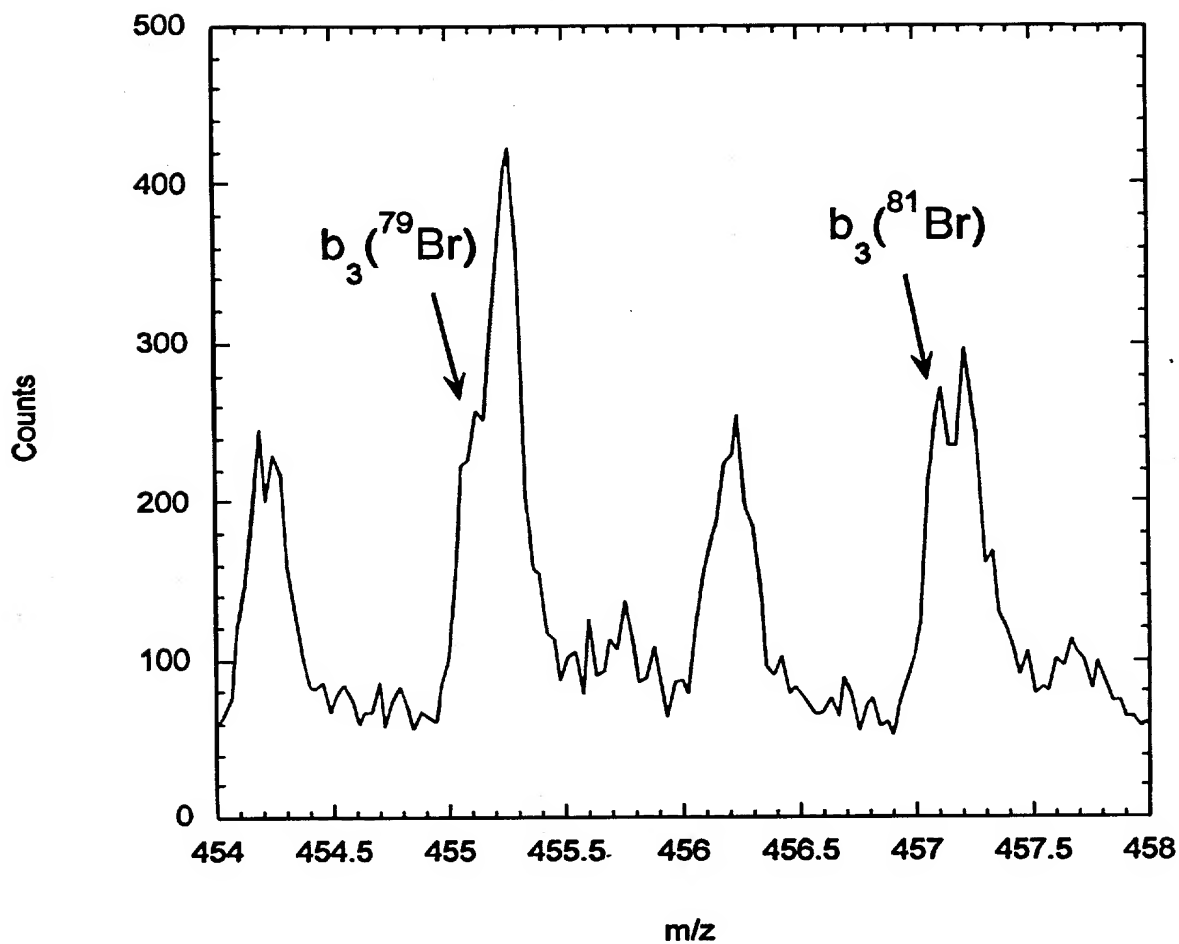


FIG. 13B.

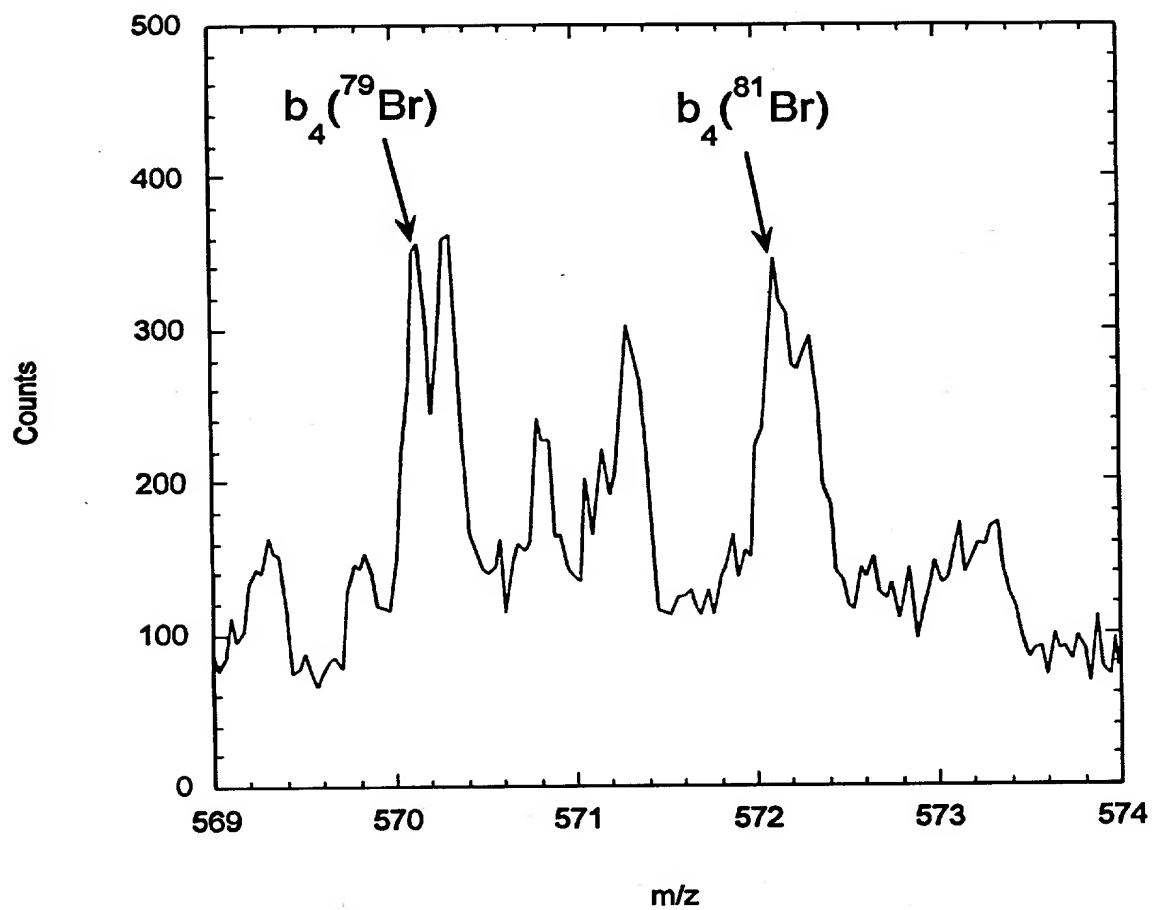


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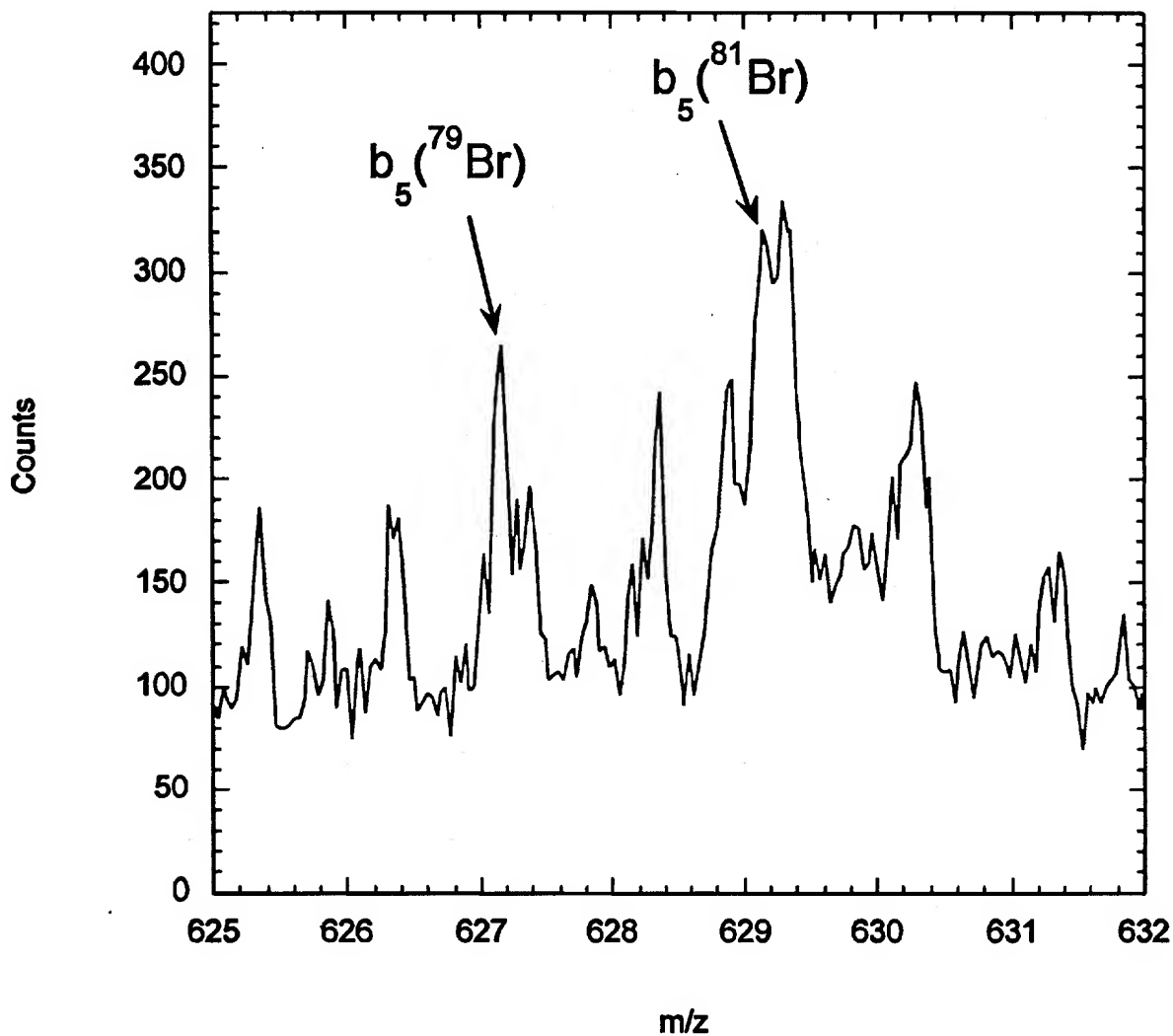


**FIG. 14A.**

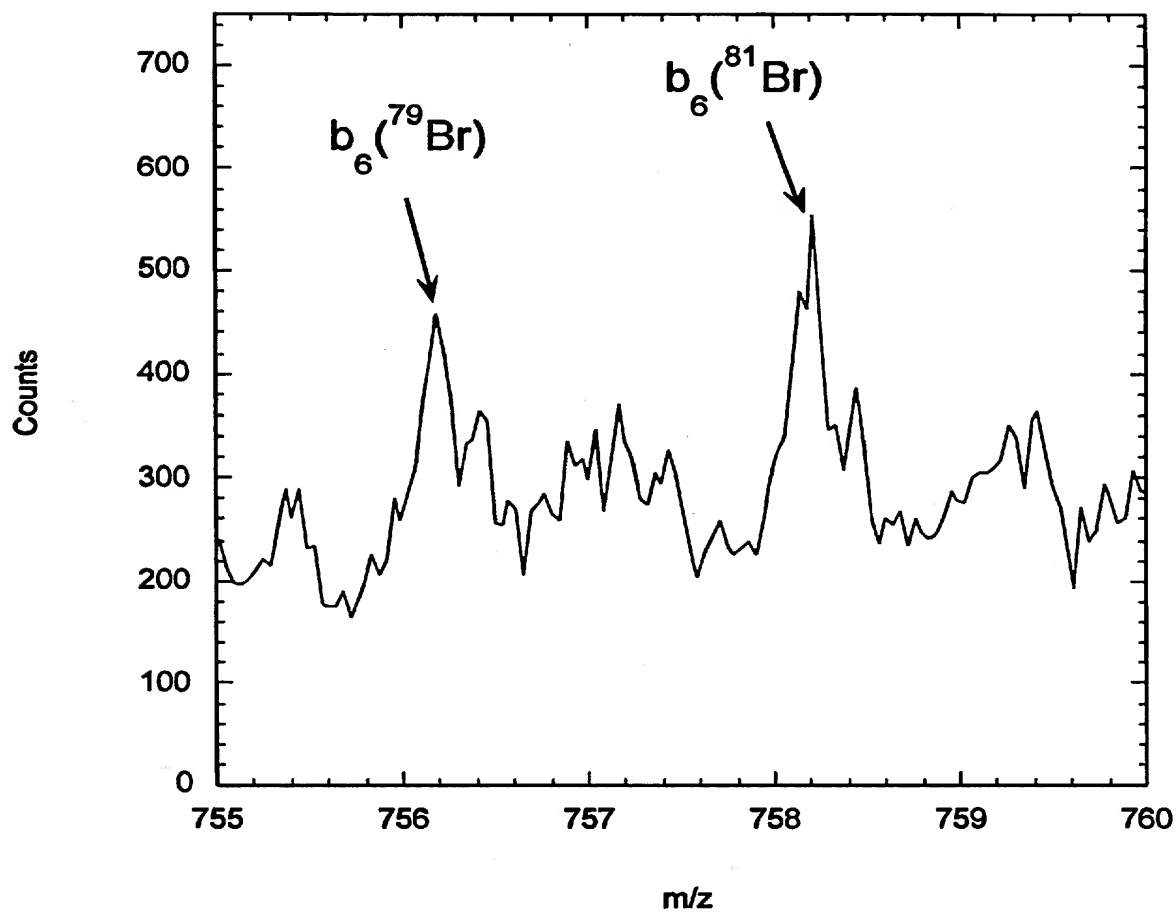




**FIG. 14B.**



**FIG. 15A.**



**FIG. 15B.**



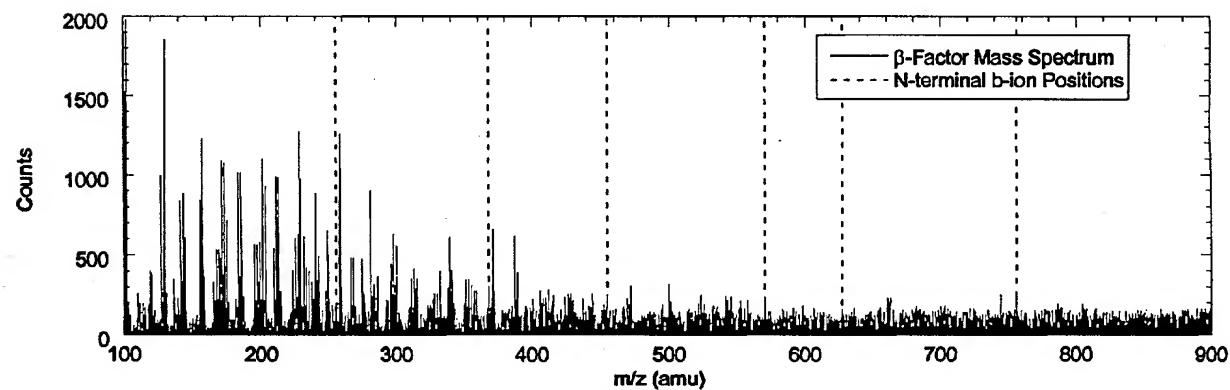
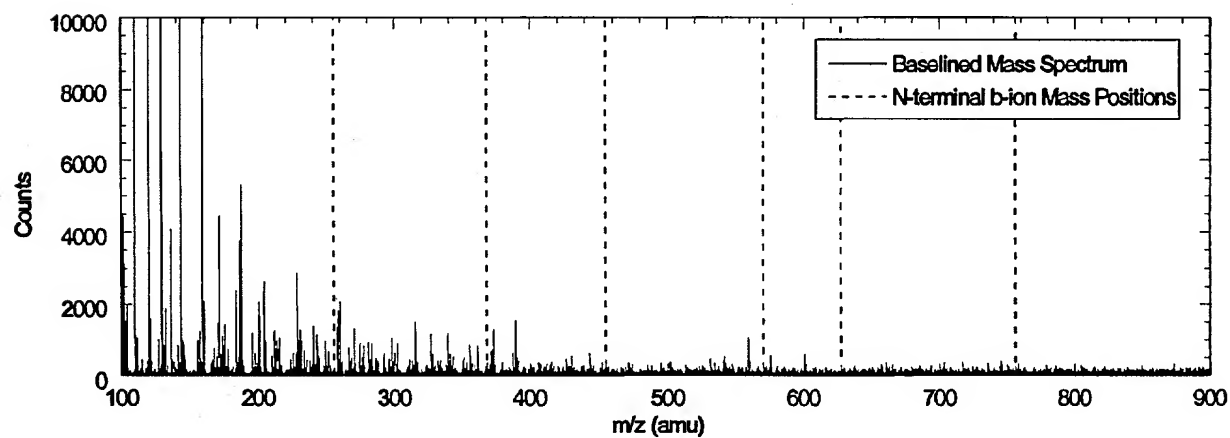
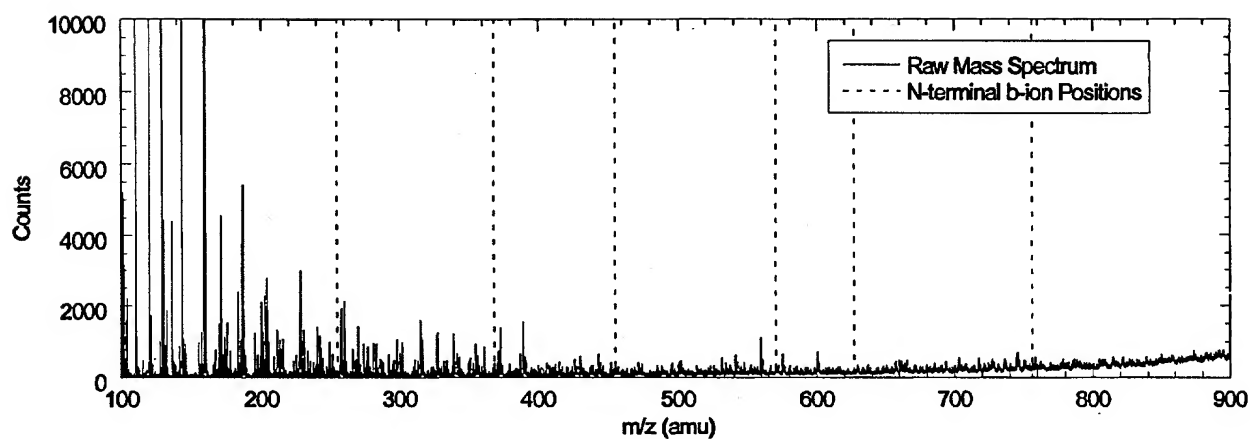
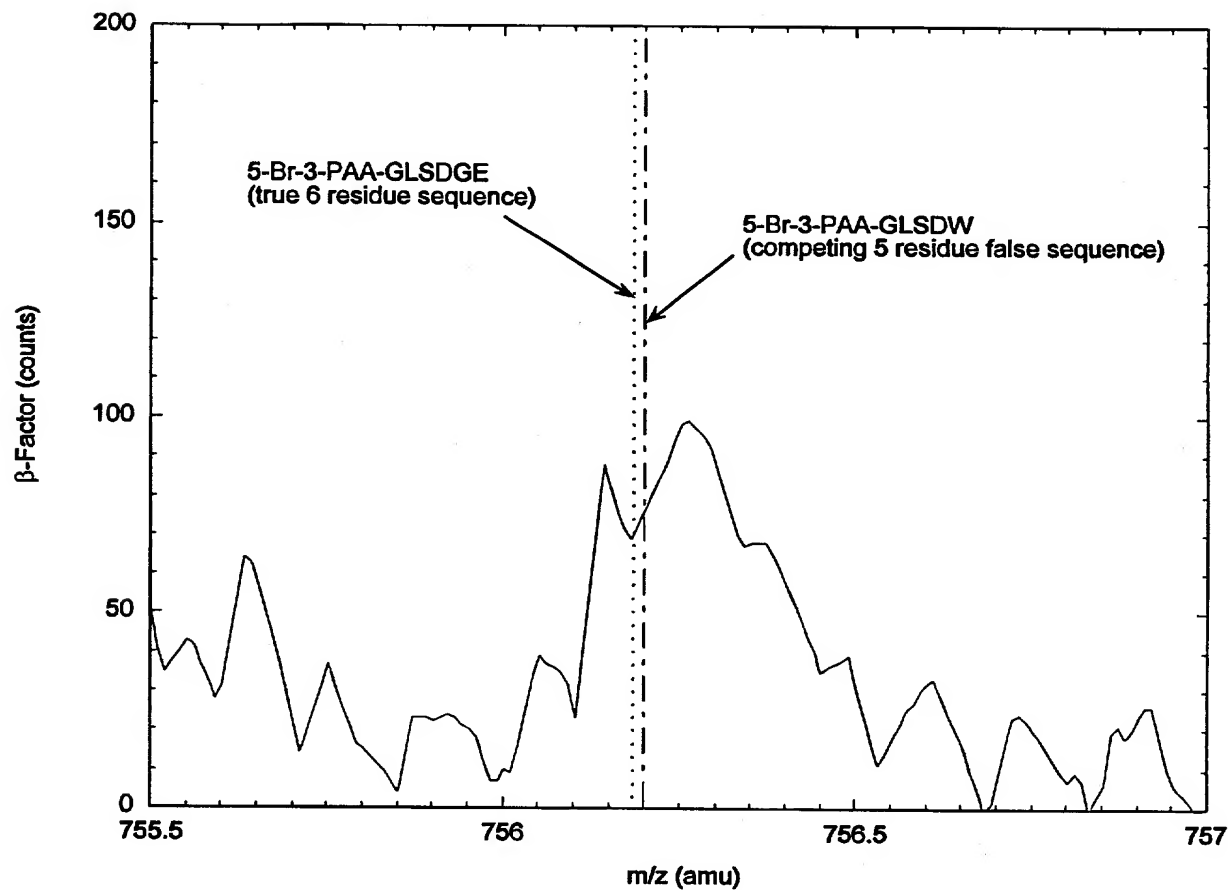
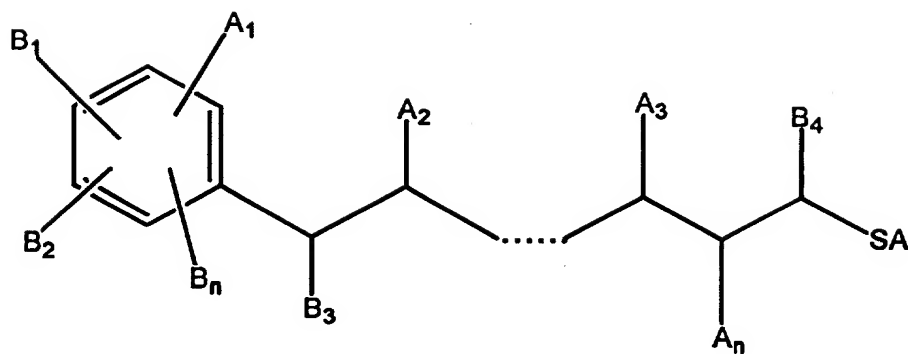


FIG. 16.



**FIG. 17.**



**FIG. 18A.**

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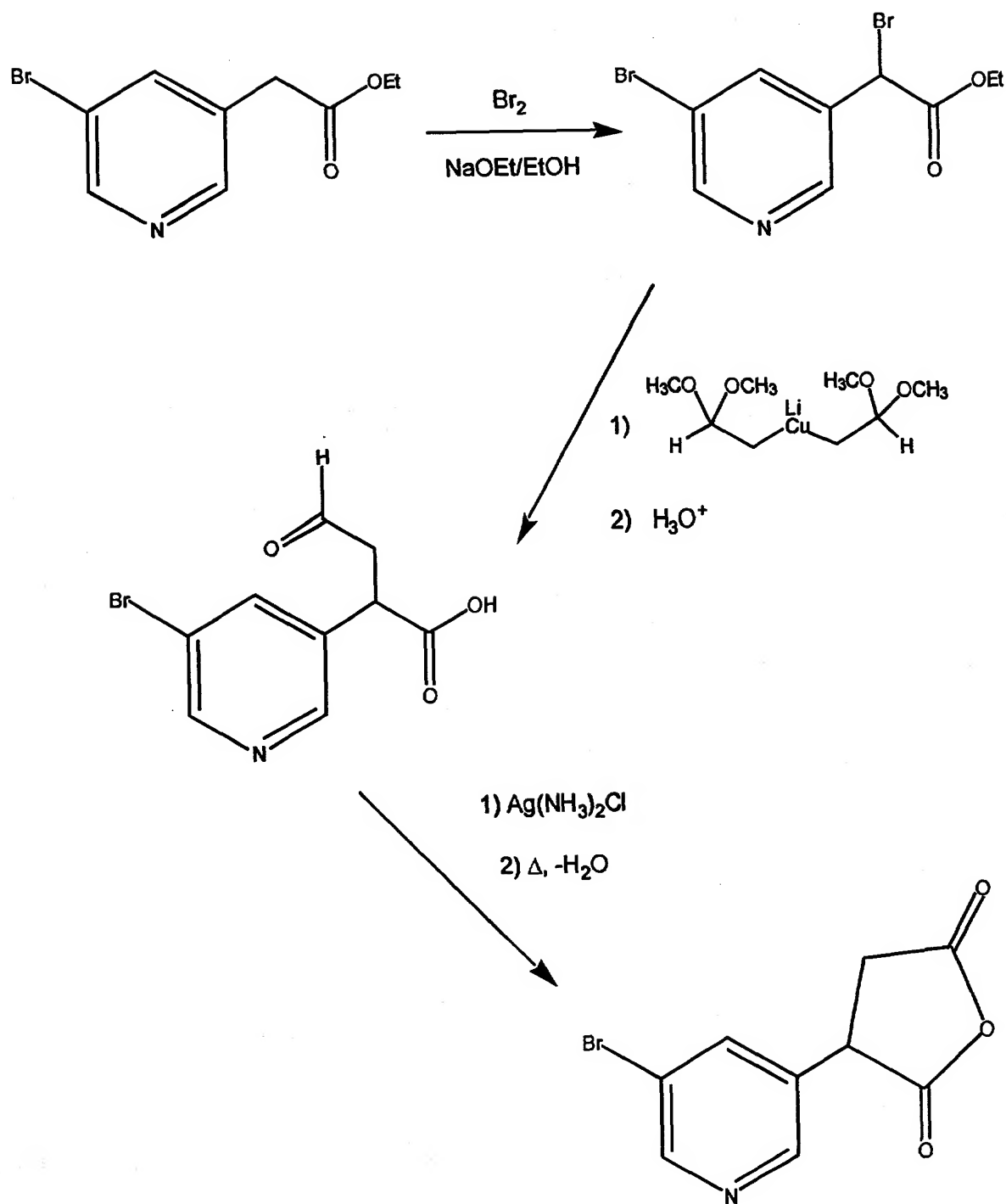
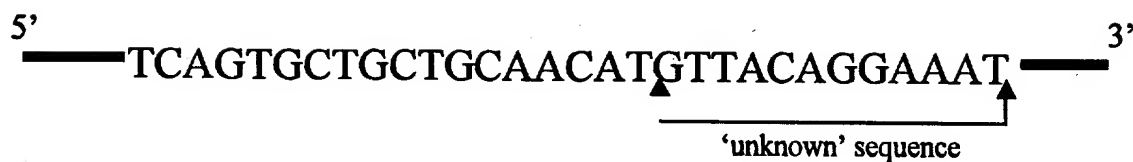


FIG. 18B.





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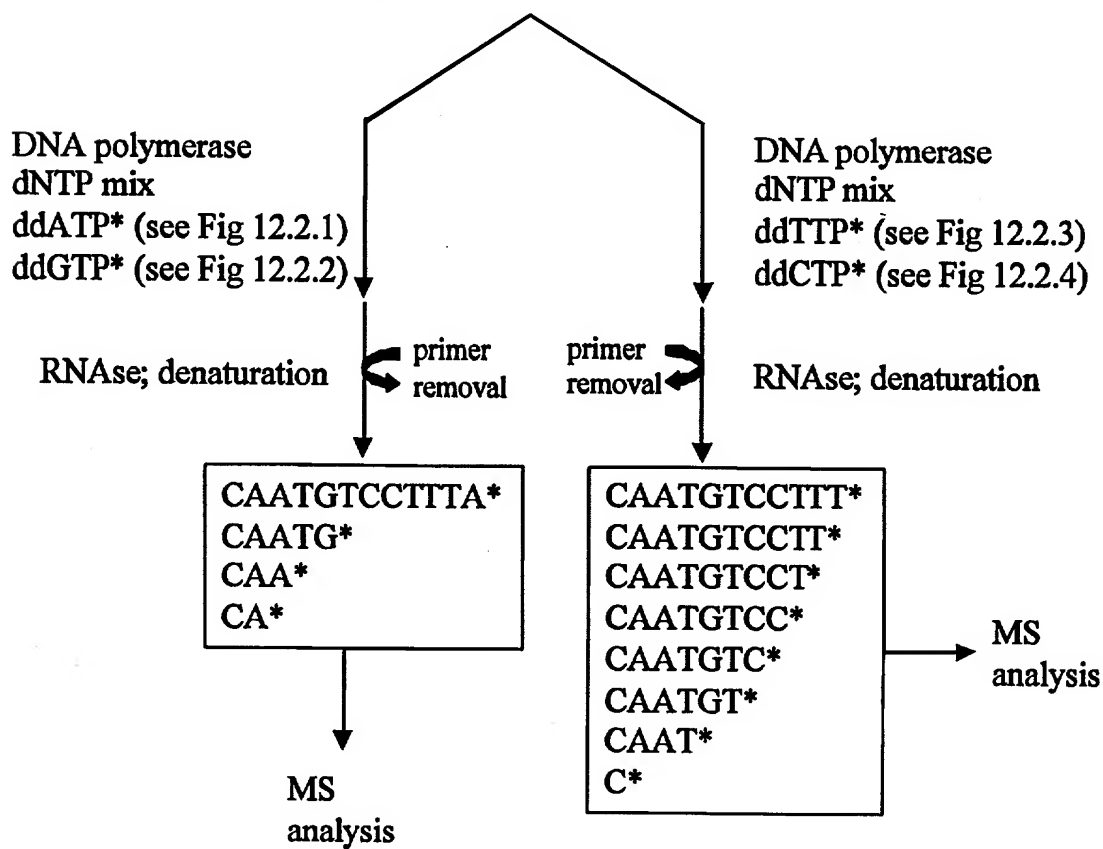
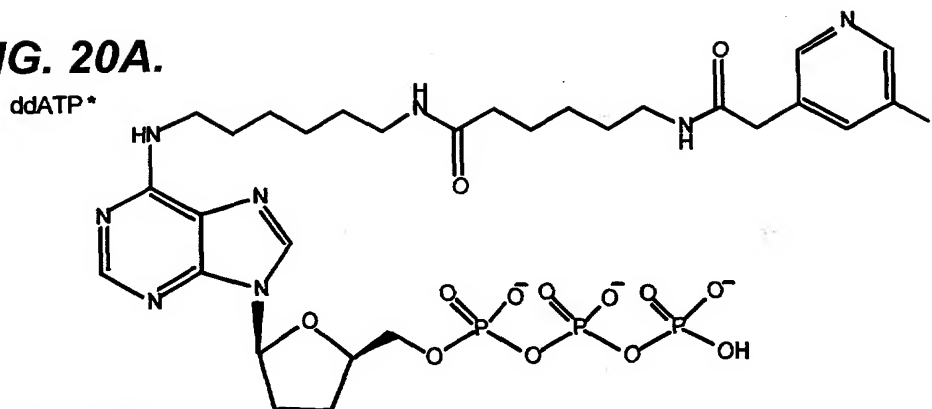
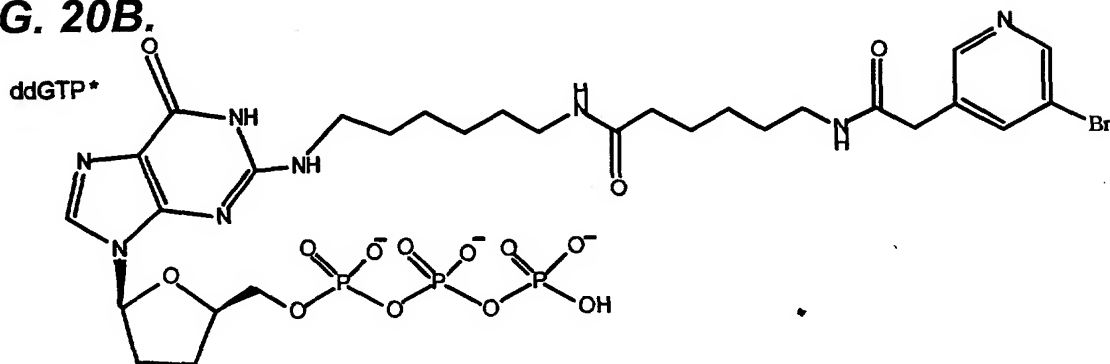


FIG. 19.

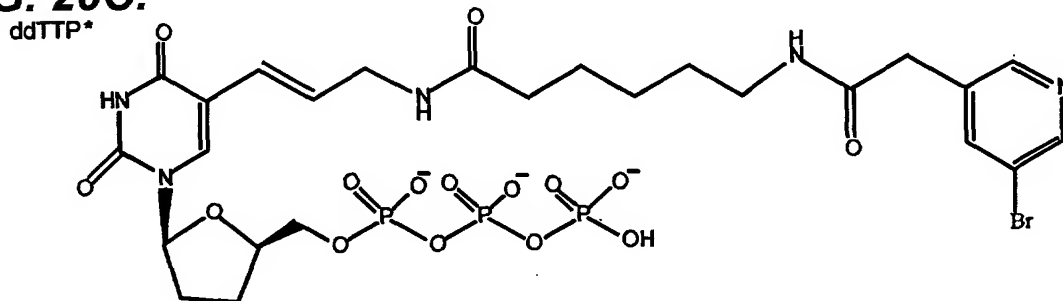
**FIG. 20A.**



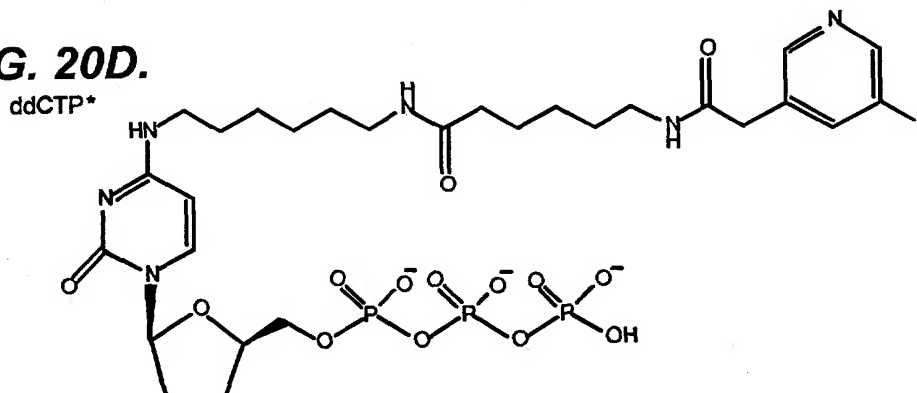
**FIG. 20B.**

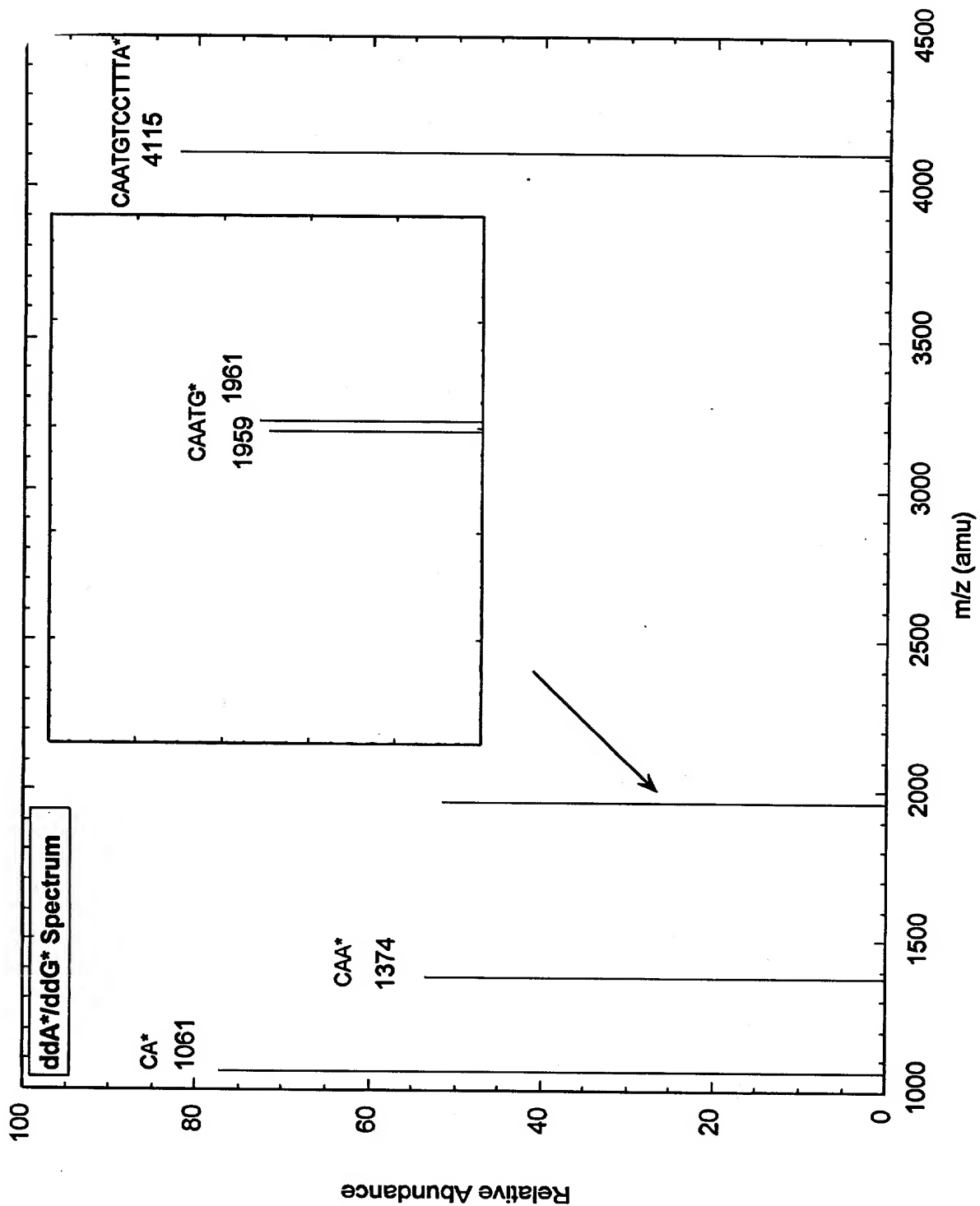


**FIG. 20C.**



**FIG. 20D.**





**FIG. 21.**

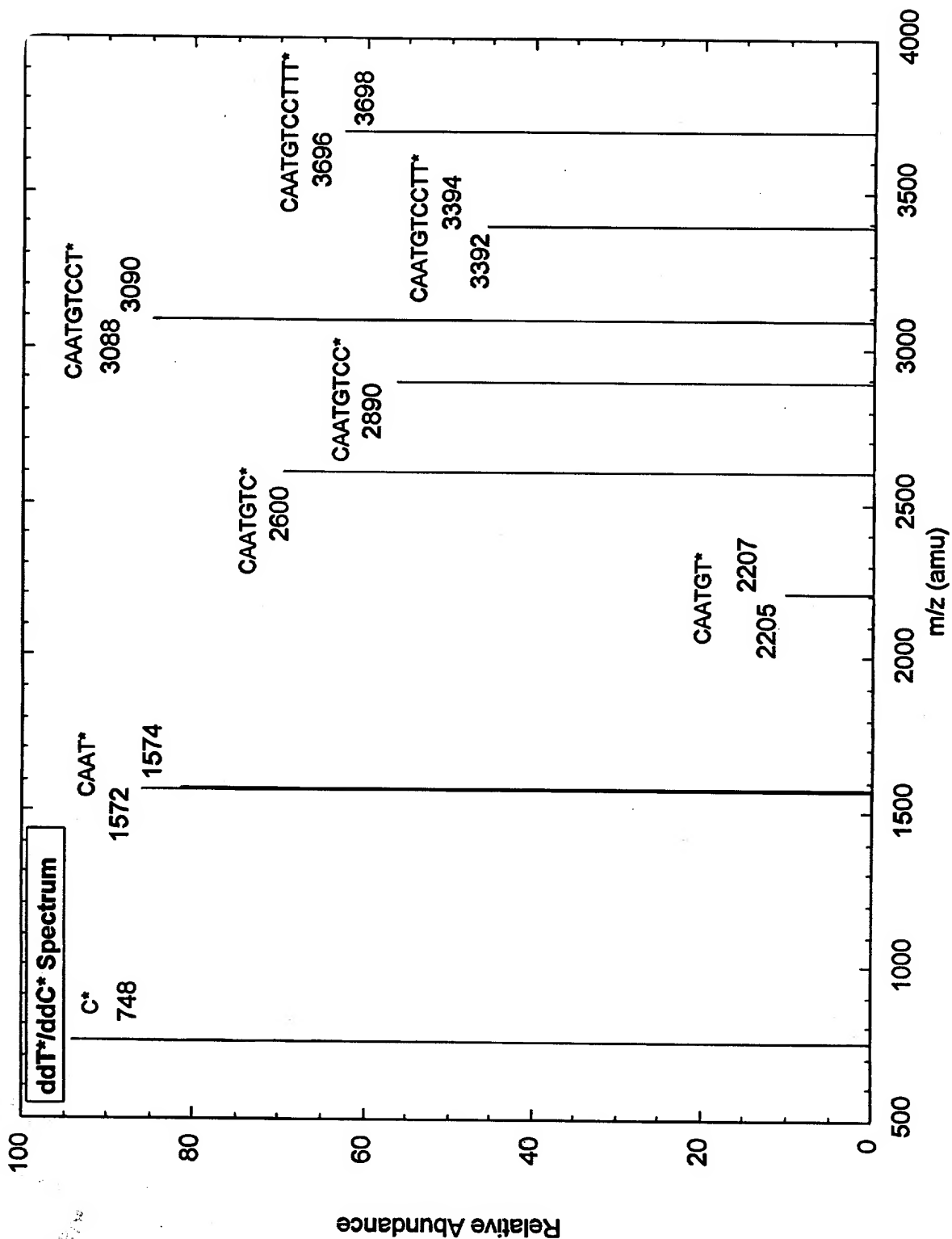


FIG. 22.